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Title: AXMI-009, A Delta-Endotoxin Gene and Methods for Its Use

Inventor(s): Carozzi *et al*. Application No: To be Assigned Atty Dkt No: 045600/274148

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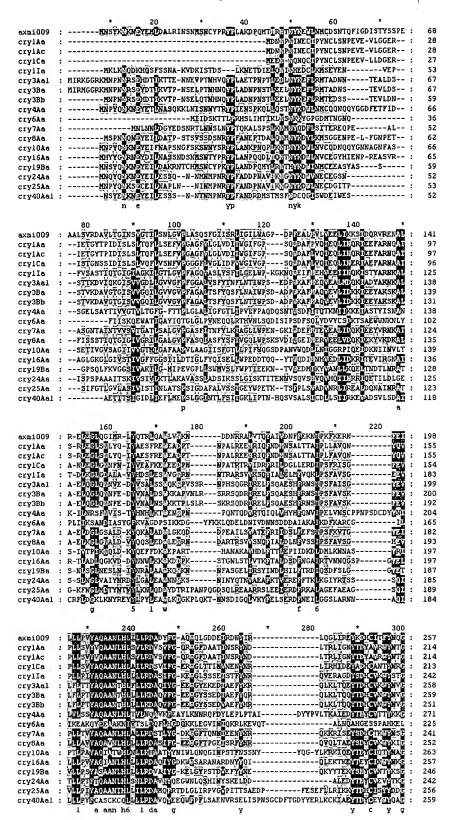


Fig. 1A

Inventor(s): Carozzi *et al*. Application No: To be Assigned Atty Dkt No: 045600/274148

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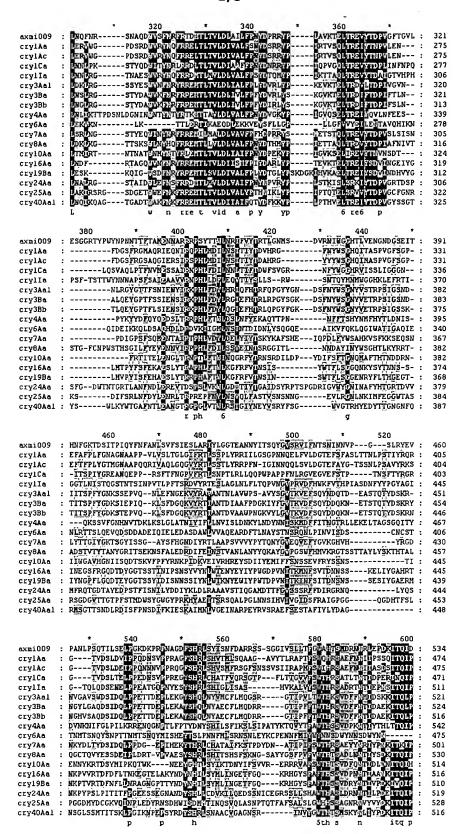


Fig. 1B

Inventor(s): Carozzi *et al.*Application No: To be Assigned
Atty Dkt No: 045600/274148

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```
PCPTGGNLVKYSDSWHS-----LKYQAP--QRQTSYRIRLRYACLYTHGDAUFYEH :
 axmi009
                 crylAa
 crvlAc
                                                                                                                                          547
 crylCa
                                                                                                                                          539
 crylla
                                                                                                                                          579
 cry3Aal
                                                                                                                                          589
 cry3Ba
                                                                                                                                          594
 cry3Bb
 cry4Aa
                                                                                                                                          606
cry6Aa
                 cry7Aa
                                                                                                                                          569
 cry8Aa
                                                                                                                                          597
 cry10Aa
                                                                                                                                          579
cryl6Aa
                                                                                                                                          582
 cry19Ba
cry24Aa
                                                                                                                                          584
cry25Aa
                                                                                                                                         597
cry40Aal:
                                                                                                                                         584
                                           gpg tgg
                                                                                                    r r rya
                    680
                                                   700
                                                                                 720
             680 * 700 * 740 *

S-GSSHIVSFFDCSBSEGRPSNTILLESDRYIDVPGIFTPSIN--PLRYRTOSFG---THAIDVESTIP
RPINOG-----NFSANDSGSSNLOSGSRTNGFTTPFNESNGSSVITUSAHVFNSG---NEVYIDRIEFIP
SSIFSN----TVPALATSLDMLOSSDROVFESANAFTSSLON--IVGYNFSGT---AGVIIDREFIP
ASTOVGGOVSVNMPLOKOBEIGEMLESKÖRRYTDFSNESFRANDDIIGISEOPFFGAGSISSGELYIDKIETIL
KAINGG----NFSANDNRGEDDVKTRTNGFTFFSELDVOSTFTIGAUNFSSG---DKVYIDRIEFVP
APFNOYY----FDKLINKGDTUTYNSPNLASFSTTFELSG-NNLOTGYTGLSAG----DKVYIDKIEFIP
NDFLVIY----INKOMNIDGDLTVÖTDFATSNSANGFSGDTNDFTTGAESFVSN---EKTYIDKIEFIP
NDFLVIY----INKOMNIDGDLTVÖTDFATSNSANGFSGDTNDFTTGAESFVSN---EKTYIDKIEFIP
SIPGVAELG-MALNPTFSGTDYTMLKYKOUOYLEFSNEVKFAPNONISLVFNRSDVYTN---TTVLIDKIEFIP
axmi009
crylAa
                                                                                                                                          605
crylAc
                                                                                                                                         607
crylCa
                                                                                                                                         614
crylla
                                                                                                                                         642
cry3Aal
                                                                                                                                         650
crv3Ba
                                                                                                                                         657
cry3Bb
                                                                                                                                         649
cry4Aa
                                                                                                                                         676
cry6Aa
635
                                                                                                                                         660
                                                                                                                                         648
                                                                                                                                         646
                                                                                                                                         636
                                                                                                                                         647
                                                                                                                                         655
                                                                                                                                         639
                                                                                                                            ef p
                ENTFPNOSLE ---- KREGEVNOLFIN :
AEVTFEAEY---DLERAGKAVNEL T :
VTATLEAEY---BLERAGKAVNAL T :
axmi009
                                                              682
crylAa
                                                              628
crylAc
                                                              630
                ADATFEAES---DLERACKAVO
crylCa
                                                              637
crylla
                 VEVTYEAEY---DFEKAGEKYTALFT
                                                              665
cry3Aal
                                                              652
cry3Ba
                                                              659
cry3Bb
cry4Aa
                UTRSIREDREKOKLETVOOI TOTA
                                                               702
сгубАа
                VOVNYAEKE ---K<u>lekaokav</u>nilet
VDETYEAEO ---DLEAAKKAVALET
TOSVLOVEE ---KLEKAOKAVALET
cry7Aa
                                                              658
cry8Aa
                                                              683
cry10Aa
                                                              674
cryl6Aa
                                                              648
                GITLNOAQ---GYDTYDONAUGH
cry19Ba
                                                              659
                VSGSAFEYEGKONIEKTORAVODLGI
VNFFPLSEO----E-NKSVOSLFI
VNSTALEYEGKOSLEKAODVVODLGV
cry24Aa
                                                              673
cry25Aa
cry40Aal:
```